

## **NOTICE TO CONTRACTORS**

**PROJECT NO. 10387**

Sealed bids will be received until 9:00 A.M. on Wednesday, October 22, 2003, in the Office of the City Engineer, Public Services Department (Engineering and Architectural Services), City Hall, 100 North Andrews Avenue, 4th Floor, City of Fort Lauderdale, Florida and opened immediately thereafter in the Conference Room, for Project No.10387: FIVEASH WATER TREATMENT PLANT UPGRADES – PHASE 1.

This project consists of the following contract documents:

- Volume 1: Bidding Requirements and Technical Specifications (Divisions 1 through 10);
- Volume 2: Technical Specifications (Divisions 11 through 15);
- Volume 3: Technical Specifications (Divisions 16, 17, and Appendix);
- Volume 4: Drawing File 04-128-81, Ammonia System drawings consisting of 39 sheets;
- Volume 5: Drawing File 04-128-81, North High Service Pumps drawings consisting of 27 sheets;
- Volume 6: Drawing File 04-128-81, Reliability Upgrades drawings consisting of 129 sheets;
- Volume 7: Drawing File 04-128-81, Instrumentation and Controls drawings consisting of 65 sheets.

This project consists of several elements, each of which is intended to maintain or upgrade the process reliability of the Fiveash Water Treatment Plant. The work includes, but is not limited to, the procurement, construction, testing, and placing in service, the piping, valves, equipment, structural, electrical, HVAC, instrumentation, and control systems for the following project elements:

1. Clearwell Interconnect: Tap the existing 60-inch Clearwell Interconnect pipe with a new 48-inch line and gate valve and connect to an existing sluice gate at Clearwell No. 7 with a new hydraulic box.
2. Filter Upgrade: Replace all existing filter valves and valve actuators with new valves and valve actuators. Replace all existing filter controls with new PLC based control system. Additionally, install new magnetic flow meters for each filter. Replace Compressors No. 4 and 5 with a new compressor.
3. Lime System: Replace the four existing detention type lime slakers with paste type lime slakers and control system. Modify the existing lime hoppers as needed to accommodate the height of the new equipment.
4. Hydrotreator Valves: Replace the existing influent flow meter, influent control valve and operator, and valve control system on the Hydrotreators No. 1 through No. 4 with new magnetic flow meters and butterfly control valves with electrical actuators and associated field instruments and controls.

5. Polymer System: Replace the existing dry coagulant polymer mixing and solution feed system with a new dry polymer mixing and solution feed system and associated controls.
6. Strikedown Valves: Replace Clearwell No. 1 strikedown valve and pneumatic actuator with new valve and electric actuator. Replace pneumatic actuators on Clearwell No. 7 strikedown valves and Clearwell No. 7 sluice gates with new electric actuators.
7. H.S.P. 12-16 Flow Meter: Replace the existing venturi meter on the discharge header of High Service Pump 12-16 with magnetic flow meters on the discharge of each pump.
8. Sludge System: Construct a new sludge holding tank and sludge pump station. Modify piping at each sludge valve pit to provide individual sludge blow-off pipes to the new and existing sludge holding tanks. Modify Washwater Recovery (W.W.R.) Basins to provide separate sumps for recovered water and sludge. Provide new sludge pumps and controls to pump W.W.R. Basin sludge to the new and existing sludge holding tanks. Replace W.W.R. Basin influent valves with new valves, operators, and controls.
9. Aerator Valves: Remove the hydraulic valve operators on the influent valve to the aeration basins and replace with new electric operators and controls.
10. Ammonia System: Construction of an aqueous ammonia system including storage tanks, storage / containment structure, metering pumps, and distribution piping. Demolition of existing anhydrous ammonia facilities, including storage tanks, structures, fencing, equipment and piping. Pursuant to Chapter 489 Florida Statutes, work associated with the proposed underground portion of the work, including installation of the aqueous ammonia piping and secondary containment piping leak detection system shall be completed by a certified Pollutant Storage System Contractor (PSSC). The PSSC shall be required to complete and submit an "Amendment to Storage Tank License" form to Broward County Department of Planning and Environmental Protection. Information regarding PSSC requirements may be directed to the Broward County Department of Planning and Environmental Protection, Permitting Section, Hazardous Material Tanks Program, Mr. Allonso Castillo, Phone Number: (954)519-1229.
11. North High Service Pumps: Installation of two vertical turbine high service pumps, and associated piping, valves, structural, electrical, instrumentation, controls and other appurtenant work. Removal of two split case pumps and associated piping, valves, ancillary equipment, monorail and concrete structures. Structural modifications to Clearwell No. 1 including sealing existing openings in concrete slab, clearwell access hatch and pump bases and clearwell slab openings for new vertical turbine pumps. It is noted that the work shall be performed while the treatment plant is in operation. All work that exposes the clearwell (i.e., installation of the vertical turbine pumps, structural modification to clearwells, etc.) shall be performed in accordance with all applicable federal, state and local regulatory requirements. Construction of a reinforced concrete loading dock and monorail.

Bidding blanks may be obtained at the Office of the City Engineer. Plans and specifications are on file in the Office of the City Engineer.

**A Pre-bid meeting will be required on Wednesday, October 1, 2003 at 10:00 a.m., at the First Floor Training Room of the Fiveash Water Treatment Plant.**

It will be the sole responsibility of the bidder to clearly mark bid as such, and ensure that his bid reaches the City prior to the bid opening date and time listed.

**NOTICE TO CONTRACTORS** *(continued)*

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A certified check, cashier's check, bank officer's check or bid bond for 10 percent of the amount bid, made payable to the City of Fort Lauderdale, Florida, shall accompany each proposal.

The City of Fort Lauderdale reserves the right to waive any informality in any bid and to reject any or all bids.

Information on bid results and projects currently out to bid can be obtained by calling the pre-recorded City of Fort Lauderdale Bid Information Line at (954) 828-5688. For general inquiries - please call (954) 828-5772.

Lucy Kisela  
City Clerk